

Australian Standard[®]

**Decorative gas log and other fuel effect
appliances**



This Australian Standard® was prepared by Committee AG-001, Gas Appliances. It was approved on behalf of the Council of Standards Australia on 6 January 2011. This Standard was published on 27 January 2011.

The following are represented on Committee AG-001:

- Appliance and Component Testing
 - Association of Accredited Certification Bodies
 - Australian Gas Association
 - Consumers' Federation of Australia
 - Department of the Environment, Water, Heritage and the Arts
 - Energy Networks Association
 - Gas Appliance Manufacturers Association of Australia
 - Gas Association of New Zealand
 - Gas Technical Regulators Committee
 - Gas Utilisation Institute
 - LP Gas Australia
 - Master Plumbers, Gasfitters and Drainlayers New Zealand
 - Ministry of Economic Development (New Zealand)
 - New Zealand Employers and Manufacturers Association (Central)
-

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Decorative gas log and other fuel effect appliances

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee AG-001, Gas Appliances. This edition is a minor revision of AS 4558—2000 (AG 108—2000) which it supersedes. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to retain this Standard as an Australian Standard rather than develop it as an Australian/New Zealand Standard.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of decorative gas log and other fuel effect appliances.

This Standard should not be regarded as a design specification or as an instruction manual.

In its preparation, consideration has been given to—

- (a) continuity of satisfactory operation;
- (b) the prevention of fire hazards, and explosions;
- (c) the prevention of injury to persons or property;
- (d) gas rules and regulations now in force; and
- (e) relevant International Standards.

AS/NZS 5601, *Gas installations*, provides essential requirements and basic standards for gas installations.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

While Australian Standards mostly do not do so, all the Australian Technical Regulators agree that this Standard should include appropriate requirements for particular appliances or components to be certified.

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STANDARDS AUSTRALIA

Australian Standard

Decorative gas log and other fuel effect appliances

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies design, construction and marking requirements and test methods for decorative gas log, coal or other fuel effect fires with gas consumptions not exceeding 72 MJ/h. Two types of appliances are covered as defined in Clause 1.2.

The scope of this Standard is limited to appliances that are designed primarily to have a decorative appearance.

The following are excluded from the scope of this Standard:

- (a) Appliances intended for space heating (in the form of radiant or convected heat). Requirements for such appliances are set out in AS 4553.
- (b) Indoor flueless appliances.

Figures referred to in the text and methods of test (M.O.T) are set out in Appendices A and G.

Methods of test are set out in Appendix B. The M.O.T. number corresponds to the relevant clause in the text.

1.2 CLASSIFICATION

Two types of appliances are defined as follows:

- 1 *Type 1* An appliance that consists of an assembly or kit that comprises a burner, simulated fuel effect logs or coals, grate and decorative surround and that is designed to be installed in a fireplace of indeterminate specifications and in which the chimney is intended to convey flue products to outside air.

An 'assembly or kit' shall have the burner, gas manifold and controls provided as a single assembly and may require assembly of such parts as logs, granules, grate and decorative surround.

- 2 *Type 2* An appliance that consists of a complete assembly that includes a fire box/surround and a conventional fabricated flue system. The flue shall be either supplied with the appliance or clearly specified by the manufacturer in the installation instructions.

NOTES:

- 1 Open flued Type 2 appliances are required by Clause 2.1.23 have a draught diverter or alternative system as an integral part of the appliance to prevent an unsafe condition caused by changes of pressure in the flue.
- 2 Type 2 appliances may be installed into masonry fireplaces provided the fabricated flue is included as a chimney liner.
- 3 Other statutory and regulatory requirements may be applicable to the product(s) that fall within the scope of this Standard. It is the manufacturer's, importer's or distributor's responsibility (as appropriate) to ensure that products comply with such requirements.